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	Application No.	Applicant(s)	
Notice of Allowability	10/656,166	SATO ET AL.	
	Examiner	Art Unit	
	Johnnie L. Smith II	2881	╛
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this a or other appropriate communication GHTS. This application is subject and MPEP 1308.	pplication. If not included on will be mailed in due course. THIS)
1. This communication is responsive to <u>amendment filed 12/2</u>	2/2004.		
2. \boxtimes The allowed claim(s) is/are <u>1-14</u> .		•	
3. The drawings filed on are accepted by the Examiner	г.		
 4. Acknowledgment is made of a claim for foreign priority una a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give 6. CORRECTED DRAWINGS (as "replacement sheets") must 	been received. been received in Application No. cuments have been received in this communication to file a replient of this application. itted. Note the attached EXAMINE as reason(s) why the oath or declar	s national stage application from the y complying with the requirements R'S AMENDMENT or NOTICE OF	
(a) ☐ including changes required by the Notice of Draftspers		0-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date			
(b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.	84(c)) should be written on the draw	rings in the front (not the back) of	
each sheet. Replacement sheet(s) should be labeled as such in the	-		
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT 			
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal	Patent Application (PTO-152)	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summar		
Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date		dment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit	<u> </u>	nent of Reasons for Allowance	
of Biological Material	9.		

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DETAILED ACTION

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: the prior 1. art searched and cited failed to teach or fairly suggest a charged particle beam apparatus and method having at least first and second deflectors for controlling the incident position of the charged particle beam on at least two focusing lenses including an objective lens and wherein the incident position of the charged particle beam on said objective lens is controlled by said first deflector in order to irradiate said sample with said charged particle beam from a direction that is inclined with respect to the optical axis of said objective lens. The prior art failed to teach applicant's disclosure of having two focusing lenses wherein the incident position of the charged particle beam on at least one of said focusing lenses other than said objective lens is controlled by said second deflector such that an off-axis chromatic aberration is produced that cancels an off-axis chromatic aberration and such that a coma aberration is produced that cancels a coma aberration produced by the objective lens when the incident position of said charged particle beam on said objective lens is controlled in combination with the remaining elements of claims 1-3 and 14. In reference to claim 12, the prior art searched and cited failed

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to teach or fairly suggest applicant disclosure of having a charged particle beam apparatus further comprising an aperture mechanism transportable in a direction perpendicular to the optical axis, the said aperture mechanism disposed between the charged particle beam source and at least two stages of focusing lenses including an objective lens, wherein the aperture mechanism limits the passage of the charged particle beam such that the aberration produced by the objective lens and that produced by the other lenses cancel each other out. Claim 13 is allowable because of its dependencies upon claim 12.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US patent 4,983,832 (Sato) teaches art similar to that being claimed by applicant, more specifically, a scanning electron microscope apparatus and method.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Johnnie L. Smith II whose telephone number is 571-272-2481. The examiner can normally be reached on Monday-Thursday 7-4 P.M. and Alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John R. Lee can be reached on 571-272-2477. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Johnnie L Smith II

Examiner

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04/14/04